

Product datasheet for **SC321921**

PRAME (NM_206955) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRAME (NM_206955) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRAME
Synonyms:	CT130; MAPE; OIP-4; OIP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_206955.1
 GCCAGAAGCCGGGCTGCAGCGCCTCAGCACCGCTCCGGGACACCCACCCGCTTCCCAG
 GCGTGACCTGTCAACAGCAACTTCGCGGTGTGGTGAACCTCTGAGGAAAAACGTAAAGTT
 CGAGCCCTGATTCCTCCGCTTCCCCGCAGGGTGACCTTGGGCTTGTGCCCCGGCACCAC
 CCCTGTCCCGGGTCCCTGTTTTCTCTGGAATGGGTTGAAGACCAAGAAAAATATGT
 GCGCCACTTGGGTCAACCCGGCCGCTGCCCGAAAAATTGGCCCCAGTTGAGGAGTTG
 TGGCTGTAAGGATGCCTTGAACCGAGGGCGGCTCGTGGTTGAGACTCTCCAGGGTG
 GGTGCGCATTGTAAATGCGGTGGATGCTCTGGGACTCGGCCCTCTGAAGGTGCTTGGGG
 GTTGGGGACGGCCAGGCAGCAGTGGCGTAGGCGTCTAGGAAGCGGGAGCAGAGGCAG
 AAATGTCGCTGCAAGACCGTAGTCAGGGTCTTGACCACAGGGGTCACTTGTGACCAACC
 ACATGGTCTGTTTCTCCTGCCCCCTGGTTCAGCCCAGGAAACTGGTGCTCAGGTT
 TGGAGCCAGAGATTTGCACTGAAAGGGCGGATTGAGTCGCCAGTTGTCAGTTTCTCAG
 CAGTATTCGCGGAGGTTTTACAGGAGGCCGTTGCTTCGTAATATTATACATGTATCTT
 TCTTTTTGGAGCATTTTATTACTCTCAGACGTGCGTGGCAACAAGTACTGAGACC
 TAGAAATCCAAGGTTGGAGTCTGAGCCAGCCTAAGTCGCTTCAAAATGGAACGAAG
 GCGTTTGCGGGGTTCATTTCAGAGCCGATACATCAGCATGAGTGTGGACAAGCCACG
 GAGACTTGTGGAGCTGGCAGGGCAGAGCCTGCTGAAGGATGAGGCCCTGGCCATTGCCGC
 CCTGGAGTTGCTGCCAGGGAGCTTTCGCCCACTTTCATGGCAGCCTTTGACGGGAG
 ACACAGCCAGACCCTGAAGGCAATGGTGCAGGCCCTGGCCCTTACCTGCCTCCCTCTGGG
 AGTGCTGATGAAGGGACAACATCTTACCTGGAGACCTTCAAAGCTGTGCTTGTGAGT
 TGATGTGCTCCTTGCCCAGGAGTTTCGCCAGGAGGTGAAACTTCAAGTGTGGATTT
 ACGGAAGAACTCTCATCAGGACTTCTGGACTGTATGGTCTGAAACAGGGCCAGTCTGTA
 CTCATTTCCAGAGCCAGAAGCAGCTCAGCCCATGACAAAGAAGCGAAAAAGTAGATGGTT
 GAGCACAGAGGCAGAGCAGCCCTTCAATTCAGTAGAGGTGCTCGTAGACCTGTTCTCAA
 GGAAGGTGCCTGTGATGAATTGTTCTCCTACCTATTGAGAAAGTGAAGCGAAAGAAAA
 TGTACTACGCTGTGCTGTAAGAAGCTGAAGATTTTTGCAATGCCCATGCAGGATATCAA
 GATGATCTGAAAATGGTGCAGCTGGACTCTATTGAAGATTTGGAAGTACTTGTACCTG
 GAAGCTACCCACCTTGGCGAAATTTCTCCTTACCTGGGCCAGATGATTAATCTGCGTAG
 ACTCCTCTCTCCACATCCATGCATCTTCTACATTTCCCGGAGAAGGAAGAGCAGTA
 TATCGCCAGTTCACCTCTCAGTTCCTCAGTCTGCAGTGCCTGCAGGCTCTCTATGTGA
 CTCTTTATTTTTCTTAGAGGCCGCTGGATCAGTTGCTCAGGCACGTGATGAACCCCTT
 GGAACCCCTCTCAATAACTAAGTCCCGCTTTCGGAAGGGGATGTGATGCATCTGTCCCA
 GAGTCCCAGCGTCAGTCAGTAAGTGTCTGAGTCTAAGTGGGGTCTAGTGACCGATGT
 AAGTCCCGAGCCCTCCAAGCTCTGCTGGAGAGAGCCTCTGCCACCCTCCAGGACCTGGT
 CTTTGATGAGTGTGGGATCACGGATGATCAGCTCCTTGCCTCCTGCCTTCCCTGAGCCA
 CTGCTCCCAGCTTACAACCTTAAGCTTCTACGGGAATTCATCTCCATATCTGCCTTGCA
 GAGTCTCCTGCAGACCTCATCGGGCTGAGCAATCTGACCACGTGCTGTATCCTGTCCC
 CCTGGAGAGTTATGAGGACATCCATGGTACCCTCACCTGGAGAGGCTTGCCTATCTGCA
 TGCCAGGCTCAGGGAGTTGCTGTGTGAGTTGGGGCGGCCAGCATGGTCTGGCTTAGTGC
 CAACCCCTGTCTCACTGTGGGGACAGAACCCTTCTATGACCCGGAGCCCATCCTGTGCC
 CTGTTTCACTGCCTAACTAGCTGGGTGCACATATCAAATGCTTCTTCTGCATACTGGAC
 ACTAAAGCCAGGATGTGCATGCATCTTGAAGCAACAAAGCAGCCACAGTTTTCAGACAAAT
 GTTCAGTGTGAGTGAGGAAAAACATGTTTCAGTGAGGAAAAAACATTCAGACAAATGTTTCAG
 TGAGGAAAAAAGGGGAAGTTGGGGTAGGCAGATGTTGACTTGGAGGTTAATGTGCTC
 TTTGGGGAGATACATCTTATAGAGTTAGAAATAGAATCTGAATTTCTAAAGGGAGATTCT
 GGCTTGGGAAGTACATGTAGGAGTTAATCCCTGTGTAGACTGTTGTAAGAAAAGTGTGA
 AAATAAGAGAAGCAATGTGAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:

NM_206955

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_206955.1, NP_996838.1</u>
RefSeq Size:	2220 bp
RefSeq ORF:	1530 bp
Locus ID:	23532
UniProt ID:	<u>P78395</u>
Cytogenetics:	22q11.22
Gene Summary:	<p>This gene encodes an antigen that is preferentially expressed in human melanomas and that is recognized by cytolytic T lymphocytes. It is not expressed in normal tissues, except testis. The encoded protein acts as a repressor of retinoic acid receptor, and likely confers a growth advantage to cancer cells via this function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 2. Variants 1-7 encode the same isoform (a).</p>